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* * * * * * * * * * * * Welcome to STN International * * * * * * * * *

NEWS 1 Web Page for STN Seminar Schedule - N. America
NEWS 2 AUG 10 Time limit for inactive STN sessions doubles to 40
minutes
NEWS 3 AUG 18 COMPENDEX indexing changed for the Corporate Source
(CS) field
NEWS 4 AUG 24 ENCOMPLIT/ENCOMPLIT2 reloaded and enhanced
NEWS 5 AUG 24 CA/Caplus enhanced with legal status information for
U.S. patents
NEWS 6 SEP 09 50 Millionth Unique Chemical Substance Recorded in
CAS REGISTRY
NEWS 7 SEP 11 WPIDS, WPINDEX, and WPIX now include Japanese FTERM
thesaurus
NEWS 8 OCT 21 Derwent World Patents Index Coverage of Indian and
Taiwanese Content Expanded
NEWS 9 OCT 21 Derwent World Patents Index enhanced with human
translated claims for Chinese Applications and
Utility Models

NEWS EXPRESS MAY 26 09 CURRENT WINDOWS VERSION IS V8.4,
AND CURRENT DISCOVER FILE IS DATED 06 APRIL 2009.

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* * * * * * * * * * * * STN Columbus * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 10:15:19 ON 21 OCT 2009

| => file medline biosis caplus embase | SINCE FILE | TOTAL |
|--------------------------------------|------------|---------|
| COST IN U.S. DOLLARS | ENTRY | SESSION |
| FULL ESTIMATED COST | 0.22 | 0.22 |

FILE 'MEDLINE' ENTERED AT 10:15:30 ON 21 OCT 2009

FILE 'BIOSIS' ENTERED AT 10:15:30 ON 21 OCT 2009

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=> s De Leo V?/AU

L1 490 DE LEO V?/AU

=> s l1 and (FSH or follicle(w)stimulating(w)hormone)

L2 111 L1 AND (FSH OR FOLLICLE(W) STIMULATING(W) HORMONE)

=> s l2 and (disomy or diploidy)

L3 3 L2 AND (DISOMY OR DIPLOIDY)

=> dup rem l3

PROCESSING COMPLETED FOR L3

L4 2 DUP REM L3 (1 DUPLICATE REMOVED)

=> La(w)Marca A?/AU

LA(W)MARCA IS NOT A RECOGNIZED COMMAND

The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (>).

=> s La(w)Marca A?/AU

PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH

FIELD CODE - 'AND' OPERATOR ASSUMED 'LA(W)MARCA'

PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH

FIELD CODE - 'AND' OPERATOR ASSUMED 'LA(W)MARCA'

L5 0 LA(W) MARCA A?/AU

=> s La Marca A?/AU

L6 329 LA MARCA A?/AU

=> s l6 and (FSH or follicle(w)stimulating(w)hormone)

L7 95 L6 AND (FSH OR FOLLICLE(W) STIMULATING(W) HORMONE)

=> s l7 and (disomy or diploidy)

L8 1 L7 AND (DISOMY OR DIPLOIDY)

=> dis ibib abs 14 1-2

L4 ANSWER 1 OF 2 MEDLINE on STN DUPLICATE 1

ACCESSION NUMBER: 2009439389 MEDLINE

DOCUMENT NUMBER: PubMed ID: 19549439

TITLE: Sperm aneuploidies after human recombinant follicle stimulating hormone therapy in infertile males.

AUTHOR: Piomboni Paola; Serafini Francesca; Gambara Laura; Musacchio Concetta; Collodel Giulia; Morgante Giuseppe; De Leo Vincenzo

CORPORATE SOURCE: Department of Biomedical Sciences, University of Siena, Italy.. piomboni@unisi.it

SOURCE: Reproductive biomedicine online, (2009 May) Vol. 18, No. 5, pp. 622-9.

JOURNAL CODE: 101122473. E-ISSN: 1472-6491.

PUB. COUNTRY: England: United Kingdom

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
 LANGUAGE: English
 FILE SEGMENT: Priority Journals
 ENTRY MONTH: 200909
 ENTRY DATE: Entered STN: 25 Jun 2009
 Last Updated on STN: 10 Sep 2009
 Entered Medline: 9 Sep 2009

AB Errors in sperm chromosome segregation are frequently observed in infertile males. It would therefore be useful to develop methods for reducing the rate of aneuploidy in spermatozoa. Thirty-one males were selected with an elevated frequency of total sperm aneuploidy of sperm chromosomes 18, X and Y by fluorescence in-situ hybridization (FISH): 22 were treated with 150 IU of recombinant FSH on alternate days for 3 months and the other nine (controls) did not receive any hormonal treatment. Before therapy, FISH analysis demonstrated an increased frequency of diploidy ($0.663 +/- 0.09\%$), disomy ($0.412 +/- 0.03\%$) and total aneuploidy ($1.30 +/- 0.12\%$) in the 22 males. Sperm analyses revealed reduced progressive motility ($26.73 +/- 2.3\%$) and a reduced percentage of spermatozoa with normal morphology ($23.86 +/- 5.3\%$). After 90 days of therapy, a significant reduction in aneuploidies (mean total aneuploidy: $0.86\% +/- 0.11$; $P = 0.005$) was obtained, as well as an improvement in functional and structural sperm characteristics. In untreated patients, no significant change in semen parameters and frequency of total aneuploidy was observed between baseline ($1.054 +/- 0.06\%$) and 90 days later ($1.080 +/- 0.05\%$). It is therefore suggested that deranged meiotic segregation in spermatozoa could be reduced by FSH treatment.

L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 2005:122884 CAPLUS
 DOCUMENT NUMBER: 142:170428
 TITLE: Use of follicle stimulating hormone for reduction of spermatozoa chromosomal aberration in males
 INVENTOR(S): De Leo, Vincenzo; La Marca, Antonio
 PATENT ASSIGNEE(S): Laboratoires Serono S.A., Switz.
 SOURCE: PCT Int. Appl., 32 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|-----------------|----------|
| WO 2005011726 | A1 | 20050210 | WO 2004-EP51593 | 20040723 |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | | | | |
| RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SI, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| EP 1673105 | A1 | 20060628 | EP 2004-766306 | 20040723 |
| EP 1673105 | B1 | 20070502 | | |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR | | | | |
| JP 2006528651 | T | 20061221 | JP 2006-521576 | 20040723 |

| | | | |
|------------------------|-------------|-----------------|------------|
| AT 361092 | T 20070515 | AT 2004-766306 | 20040723 |
| ES 2284052 | T3 20071101 | ES 2004-766306 | 20040723 |
| US 20070037742 | A1 20070215 | US 2006-565763 | 20060605 |
| PRIORITY APPLN. INFO.: | | EP 2003-102303 | A 20030725 |
| | | EP 2004-100760 | A 20040226 |
| | | WO 2004-EPS1593 | W 20040723 |

AB The present invention relates to the use of a substance having a FSH activity for reducing gamete chromosomal alterations in a male, more specifically in men suffering from spermatozoa aneuploidy.

OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)

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| | | |
|--|------------|---------|
| => FIL STNGUIDE | SINCE FILE | TOTAL |
| COST IN U.S. DOLLARS | ENTRY | SESSION |
| FULL ESTIMATED COST | 43.69 | 43.91 |
| DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) | SINCE FILE | TOTAL |
| CA SUBSCRIBER PRICE | ENTRY | SESSION |
| | -0.82 | -0.82 |

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 LAST RELOADED: Oct 16, 2009 (20091016/UP).

=> dis ibib abs 18
 YOU HAVE REQUESTED DATA FROM FILE 'CAPLUS' - CONTINUE? (Y)/N:y

L8 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 2005:122884 CAPLUS
 DOCUMENT NUMBER: 142:170428
 TITLE: Use of follicle stimulating
 hormone for reduction of spermatozoa
 chromosomal aberration in males
 INVENTOR(S): De Leo, Vincenzo; La Marca, Antonio
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 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|--|------|----------|-----------------|----------|
| WO 2005011726 | A1 | 20050210 | WO 2004-EP51593 | 20040723 |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,
NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,
TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW,
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, | | | | |

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|---|----|----------|-----------------|------------|
| AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,
EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE,
SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE,
SN, TD, TG | | | | |
| EP 1673105 | A1 | 20060628 | EP 2004-766306 | 20040723 |
| EP 1673105 | B1 | 20070502 | | |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR | | | | |
| JP 2006528651 | T | 20061221 | JP 2006-521576 | 20040723 |
| AT 361092 | T | 20070515 | AT 2004-766306 | 20040723 |
| ES 2284052 | T3 | 20071101 | ES 2004-766306 | 20040723 |
| US 20070037742 | A1 | 20070215 | US 2006-565763 | 20060605 |
| PRIORITY APPLN. INFO.: | | | EP 2003-102303 | A 20030725 |
| | | | EP 2004-100760 | A 20040226 |
| | | | WO 2004-EP51593 | W 20040723 |

AB The present invention relates to the use of a substance having a FSH activity for reducing gamete chromosomal alterations in a male, more specifically in men suffering from spermatozoa aneuploidy.

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REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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 ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF
 LOGOFF? (Y)/N/HOLD:y

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FILE 'MEDLINE, BIOSIS, CAPLUS, EMBASE' ENTERED AT 10:15:30 ON 21 OCT 2009
 L1 490 SEA FILE=MFE SPE=ON ABB=ON PLU=ON DE LEO V?/AU
 L2 111 SEA FILE=MFE SPE=ON ABB=ON PLU=ON L1 AND (FSH OR FOLLICLE(W)
 STIMULATING(W) HORMONE)
 L3 3 SEA FILE=MFE SPE=ON ABB=ON PLU=ON L2 AND (DISOMY OR
 DIPLOIDY)
 L4 2 DUP REM L3 (1 DUPLICATE REMOVED)
 L5 0 SEA FILE=MFE SPE=ON ABB=ON PLU=ON LA(W) MARCA A?/AU
 L6 329 SEA FILE=MFE SPE=ON ABB=ON PLU=ON LA MARCA A?/AU
 L7 95 SEA FILE=MFE SPE=ON ABB=ON PLU=ON L6 AND (FSH OR FOLLICLE(W)
 STIMULATING(W) HORMONE)
 L8 1 SEA FILE=MFE SPE=ON ABB=ON PLU=ON L7 AND (DISOMY OR
 DIPLOIDY)
 DIS IBIB ABS L4 1-2

FILE 'STNGUIDE' ENTERED AT 10:18:49 ON 21 OCT 2009

FILE 'CAPLUS' ENTERED AT 10:19:38 ON 21 OCT 2009
 DIS IBIB ABS L8

| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
|--|------------------|---------------|
| FULL ESTIMATED COST | 0.07 | 47.55 |
| DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) | SINCE FILE ENTRY | TOTAL SESSION |
| CA SUBSCRIBER PRICE | 0.00 | -1.64 |

STN INTERNATIONAL LOGOFF AT 10:19:45 ON 21 OCT 2009